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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	10/531,037	05/10/2005	Christian Uphoff	123478	4702	
	25944	7590 05/16/2006		EXAMINER		
	OLIFF & BE P.O. BOX 199	RRIDGE, PLC		BARRY, CHESTER T		
		A, VA 22320		ART UNIT	PAPER NUMBER	
		·		1724		
				DATE MAILED: 05/16/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summer		10/531,037	UPHOFF			
	Office Action Summary	Examiner	Art Unit			
		Chester T. Barry_	1724			
Period fo	The MAILING DATE of this communication app r Reply	ears on the cover sheet with the c	orrespondence address			
A SHO WHIC - Exter after - If NO - Failui Any r	DRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DATE is ions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period veron to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	l. ely filed he mailing date of this communication. 0 (35 U.S.C. § 133).			
Status						
2a)⊠ 3)□	Responsive to communication(s) filed on <u>06 March 2006</u> . This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
5) □ 6) ☒ 7) □ 8) □ Applicati 9) □ 10) □	Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1-15 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or on Papers The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath of the oa	vn from consideration. r election requirement. r. epted or b) □ objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority u	nder 35 U.S.C. § 119					
12) <u></u> a)[12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
2) Notice Notice 1) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

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Claims 1 – 5, 7, 10-12, 14 – 15 are rejected under 35 USC Sec. 102(b) over Heller for the reasons of record given at page 2 of the previous Office action (incorporated herein by reference).

Claim 6 is rejected under 35 USC Sec. 103(a) over Heller and '309 for the reasons of record given at pages 2 – 3 of the previous Office action (incorporated herein by reference).

Claims 8, 9, 13 are rejected under 35 USC Sec. 103(a) over Heller for the reasons of record given at page 3 of the previous Office action (incorporated herein by reference).

Applicant's arguments filed 3/6/06 have been fully considered but they are not persuasive. Applicant argues the "microorganisms . . . bacteria interact" limitation of claim 1. The specific interaction set forth in the present specification at page 4 lines 22 – 32 is nowhere recited in the claims. Therefore, the interaction between Heller's photosynthetic bacteria and luminous bacteria, e.g., physical contact, consumption of nutrients from a common nutrient broth or solution, etc., is sufficient to meet the "interact" limitation of claim 1. Applicant also argue that Heller does not describe a "solution" of a mixed culture. It is inherent that Heller's mixed culture is a solution at some level even if some portions of the mixture are not fully miscible.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Chester T. Barry

Examiner

571-272-1152